

10224100 OAK CREEK ABOVE LITTLE CREEK, NEAR OAK CITY, UT

LOCATION.--Lat 39°21'23", long 112°13'55", in NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec. 7, T. 17 S., R. 3 W., Millard County, Hydrologic Unit 16030005, Fish Lake National Forest, on right bank 0.3 mi upstream from a 12-inch pipeline diversion at Walker's Fork and 5.7 mi east of Oak City.

DRAINAGE AREA.--5.58 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1964 to September 1997 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No regulation or diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120 ft<sup>3</sup>/s April 29, 1973, gage height, 2.21 ft; minimum, 0.03 ft<sup>3</sup>/s Dec. 31, 1967, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 1	0200	*14	*1.22				

Minimum daily discharge, 0.17 ft<sup>3</sup>/s Jan. 28-31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	.45	e1.2	1.4	.19	e2.2	7.5	14	3.7	1.3	.58	.49
2	.34	.45	e1.3	1.4	.20	2.3	7.1	13	3.5	1.2	.56	.48
3	.37	.47	e1.4	e1.0	.20	2.3	6.8	11	3.3	1.2	.55	.53
4	.37	.45	e1.5	e.84	.21	2.4	6.5	11	3.2	1.2	.66	.52
5	.34	.53	1.5	e.64	.22	e2.2	6.2	11	3.1	1.1	.62	.47
6	.37	.49	1.4	e.50	.22	2.2	5.7	10	2.9	1.1	.57	.51
7	.34	.66	1.4	e.35	.28	2.2	5.4	10	2.8	1.1	.56	.46
8	.33	.45	1.4	.26	e.40	2.2	5.2	10	3.0	1.0	.52	.45
9	.33	.46	1.5	.27	e.54	2.4	5.1	11	2.8	1.0	.60	.45
10	.33	.45	1.9	.34	e.66	2.6	4.9	10	2.6	.96	.63	.44
11	.33	.45	2.2	.38	e.82	3.1	4.7	10	2.4	.97	.57	.42
12	.33	.45	2.3	.40	e.76	3.7	4.5	10	2.3	.99	1.0	.42
13	.33	.45	2.3	.41	e.70	4.3	4.3	10	2.3	.96	.62	.42
14	.35	.45	2.2	.37	e.70	4.7	4.3	10	2.5	.91	.58	.41
15	.35	.46	2.0	.37	e.92	5.0	4.2	10	2.3	.87	.56	.44
16	.37	.50	e1.7	.39	e1.2	5.3	4.2	9.8	2.2	.84	.56	.44
17	.37	.52	e1.3	.38	e1.4	5.8	4.3	9.3	2.1	.81	.64	.42
18	.37	.54	e1.0	.37	e1.6	6.3	4.6	8.5	2.0	.80	.61	.54
19	.42	.50	e.70	.37	e1.9	6.9	5.7	8.0	1.9	.78	.57	.56
20	.41	.50	.19	.37	e2.0	7.5	7.1	7.8	1.8	.75	.61	.57
21	.41	.62	.24	.37	e2.2	8.2	8.2	7.2	1.8	.75	.62	.53
22	.41	e1.7	.64	.36	e2.3	9.0	8.4	6.5	1.7	.81	.60	.50
23	.41	e1.6	.70	.33	e2.4	9.0	9.0	5.8	1.6	.81	.59	.49
24	.44	1.5	.67	.33	e2.4	8.8	11	6.3	1.6	.75	.57	.48
25	.47	e1.4	.69	.32	e2.4	8.7	11	6.3	1.6	.71	.55	.44
26	.45	e1.3	.97	.27	2.3	8.7	12	5.7	1.5	.67	.55	.55
27	.45	e1.3	1.1	.21	e2.2	8.5	11	5.1	1.5	.68	.53	.48
28	.46	e1.3	1.1	.19	e2.1	8.3	12	4.7	1.4	.77	.52	.47
29	.46	e1.2	1.1	.17	---	7.8	12	4.2	1.3	.70	.51	.47
30	.45	e1.2	1.2	.17	---	7.7	13	4.0	1.3	.63	.50	.47
31	.48	---	1.3	.17	---	7.7	---	3.8	---	.60	.52	---
TOTAL	11.96	22.80	40.10	13.70	33.42	168.0	215.9	264.0	68.0	27.72	18.23	14.32
MEAN	.39	.76	1.29	.44	1.19	5.42	7.20	8.52	2.27	.89	.59	.48
MAX	.48	1.7	2.3	1.4	2.4	9.0	13	14	3.7	1.3	1.0	.57
MIN	.32	.45	.19	.17	.19	2.2	4.2	3.8	1.3	.60	.50	.41
AC-FT	24	45	80	27	66	333	428	524	135	55	36	28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1997, BY WATER YEAR (WY)

MEAN	.68	.80	.95	.91	1.24	2.98	8.58	12.6	4.49	1.13	.62	.52
MAX	2.64	3.09	3.03	2.37	4.43	9.68	21.2	41.5	26.1	5.58	2.59	2.25
(WY)	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983
MIN	.29	.41	.40	.44	.40	.48	1.29	1.18	.36	.22	.14	.17
(WY)	1993	1993	1991	1997	1977	1977	1977	1992	1992	1992	1992	1992

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR			FOR 1997 WATER YEAR			WATER YEARS 1965 - 1997		
ANNUAL TOTAL	550.08			898.15					
ANNUAL MEAN	1.50			2.46			2.97		
HIGHEST ANNUAL MEAN							10.4		
LOWEST ANNUAL MEAN							.67		
HIGHEST DAILY MEAN	5.6 Apr 29			14 May 1			73 Apr 29 1973		
LOWEST DAILY MEAN	.19 Dec 20			.17 Jan 29			.11 Aug 20 1992		
ANNUAL SEVEN-DAY MINIMUM	.33 Sep 25			.18 Jan 28			.13 Jul 29 1992		
ANNUAL RUNOFF (AC-FT)	1090			1780			2150		
10 PERCENT EXCEEDS	4.4			8.1			8.3		
50 PERCENT EXCEEDS	.96			.97			.90		
90 PERCENT EXCEEDS	.34			.37			.38		

e Estimated